

**Microsuspension Assemblies for Direct Access  
Storage Devices**

**Abstract**

- 5 Embodiments include a method for forming a head suspension assembly. A spacer layer is formed in or on a silicon wafer. A transfer film including an opening defining the shape of a slider support membrane is provided, and the opening is filled with a resin material. The transfer film with the resin material therein is positioned over the silicon wafer so that at least a portion of the resin material is positioned adjacent to the spacer layer.
- 10 The resin material is baked to form a glassy carbon material. The spacer layer is etched to form a trench in the silicon wafer adjacent to the glassy carbon material, and a slider is positioned on the glassy carbon material over the trench.